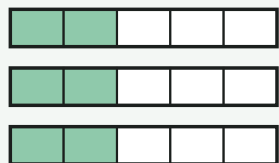


Multiply a Fraction by a Whole Number: Models

Name: _____

Grade 4 · Pictures and unit fractions for a whole number times a fraction

How it works

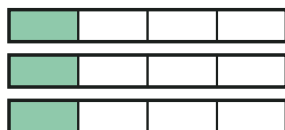


$$3 \times \frac{2}{5} = \frac{2}{5} + \frac{2}{5} + \frac{2}{5} = \frac{6}{5}$$

3 groups of 2 fifths is 6 fifths. Multiply the **numerator** by the whole number. The **denominator** stays the same, because the parts are still fifths.

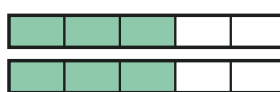
A. Write the multiplication each picture shows. Then write the product.

1.



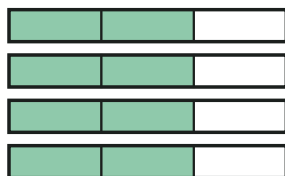
$$\square \times \frac{\square}{\square} = \frac{\square}{\square}$$

2.



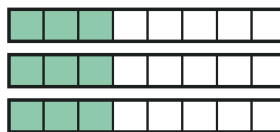
$$\square \times \frac{\square}{\square} = \frac{\square}{\square}$$

3.



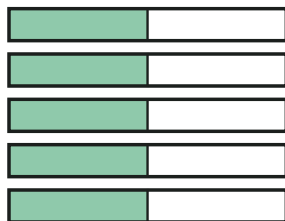
$$\square \times \frac{\square}{\square} = \frac{\square}{\square}$$

4.



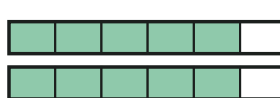
$$\square \times \frac{\square}{\square} = \frac{\square}{\square}$$

5.



$$\square \times \frac{\square}{\square} = \frac{\square}{\square}$$

6.



$$\square \times \frac{\square}{\square} = \frac{\square}{\square}$$

B. Write each fraction as a whole number times a unit fraction.

1. $\frac{5}{4} = \square \times \frac{1}{4}$

2. $\frac{3}{8} = \square \times \frac{1}{8}$

3. $\frac{7}{10} = \square \times \frac{1}{10}$

4. $\frac{4}{3} = \square \times \frac{1}{3}$

5. $\frac{9}{2} = \square \times \frac{1}{2}$

6. $\frac{11}{6} = \square \times \frac{1}{6}$

C. Write the missing number.

1. $3 \times \frac{2}{5} = \square \times \frac{1}{5}$

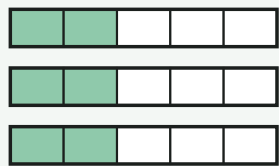
2. $4 \times \frac{3}{8} = \square \times \frac{1}{8}$

3. $2 \times \frac{5}{6} = \square \times \frac{1}{6}$

Multiply a Fraction by a Whole Number: Models (Answer Key)

Grade 4 · Pictures and unit fractions for a whole number times a fraction

How it works

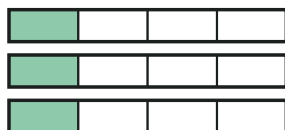


$$3 \times \frac{2}{5} = \frac{2}{5} + \frac{2}{5} + \frac{2}{5} = \frac{6}{5}$$

3 groups of 2 fifths is 6 fifths. Multiply the **numerator** by the whole number. The **denominator** stays the same, because the parts are still fifths.

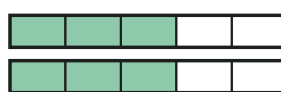
A. Write the multiplication each picture shows. Then write the product.

1.



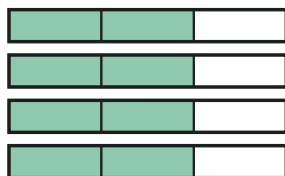
$$3 \times \frac{1}{4} = \frac{3}{4}$$

2.



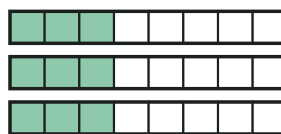
$$2 \times \frac{3}{5} = \frac{6}{5}$$

3.



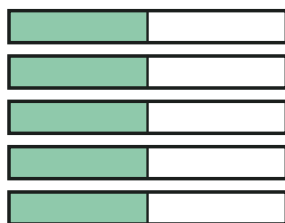
$$4 \times \frac{2}{3} = \frac{8}{3}$$

4.



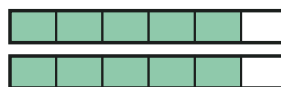
$$3 \times \frac{3}{8} = \frac{9}{8}$$

5.



$$5 \times \frac{1}{2} = \frac{5}{2}$$

6.



$$2 \times \frac{5}{6} = \frac{10}{6}$$

B. Write each fraction as a whole number times a unit fraction.

1. $\frac{5}{4} = 5 \times \frac{1}{4}$

2. $\frac{3}{8} = 3 \times \frac{1}{8}$

3. $\frac{7}{10} = 7 \times \frac{1}{10}$

4. $\frac{4}{3} = 4 \times \frac{1}{3}$

5. $\frac{9}{2} = 9 \times \frac{1}{2}$

6. $\frac{11}{6} = 11 \times \frac{1}{6}$

C. Write the missing number.

1. $3 \times \frac{2}{5} = 6 \times \frac{1}{5}$

2. $4 \times \frac{3}{8} = 12 \times \frac{1}{8}$

3. $2 \times \frac{5}{6} = 10 \times \frac{1}{6}$